

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	MUTATED DNA POLYMERASES WITH INCREASED MISPAIRING DISCRIMINATION
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As the below named inventor(s), I/we declare that:

This declaration is directed to:

- ☐ The attached application, or
☒ U.S. Application No. 10/588,570, International Application No. PCT/EP2005/050479,
 International filing date February 4, 2005,
☐ as amended on _____ (if applicable);

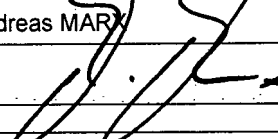
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)

Inventor one:	<u>Andreas MARK</u>	Citizen of:	<u>Germany</u>
Signature:		Date:	<u>2007-01-29</u>
Inventor two:	<u>Daniel SUMMERER</u>	Citizen of:	<u>Germany</u>
Signature:	_____	Date:	_____
Inventor three:	<u>Nicholaus Zackes RUDINGER</u>	Citizen of:	<u>Germany</u>
Signature:	_____	Date:	_____
Inventor four:	_____	Citizen of:	_____
Signature:	_____	Date:	_____
Inventor five:	_____	Citizen of:	_____
Signature:	_____	Date:	_____

☐ Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.

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FULL NAME OF INVENTOR(S)

Inventor one: Andreas MARX Citizen of: Germany

Signature: _____ Date: _____

Inventor two: Daniel SUMMERER Citizen of: Germany

Signature:  Date: 2.1.07

Inventor three: Nicolas Zackes RUDINGER Citizen of: Germany

Signature: _____ Date: _____

Inventor four: _____ Citizen of: _____

Signature: _____ Date: _____

Inventor five: _____ Citizen of: _____

Signature: _____ Date: _____

☐ Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.

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FULL NAME OF INVENTOR(S)

Inventor one:	<u>Andreas MARX</u>	Citizen of:	<u>Germany</u>
Signature:	_____	Date:	_____

Inventor two:	<u>Daniel SUMMERER</u>	Citizen of:	<u>Germany</u>
Signature:	_____	Date:	_____

Inventor three:	^{NICOLAS} <u>Nicholas Zackes RUDINGER</u>	Citizen of:	<u>Germany</u>
Signature:	<u>Nicholas F. Rudinger</u>	Date:	<u>30.1.2007</u>

Inventor four:	_____	Citizen of:	_____
Signature:	_____	Date:	_____

Inventor five:	_____	Citizen of:	_____
Signature:	_____	Date:	_____

☐ Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.

Domestic Priority Information

Application ::	Continuity Type::	Parent Application::	Parent Filing Date::
This Application	National Stage of	PCT/EP2005/050479	02/04/05

Foreign Priority Information

Country::	Application number::	Filing Date::	Priority Claimed::
Germany	102004005885.7	02/05/04	Yes

Assignee Information

Assignee name::	RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITÄT BONN
Street of mailing address::	Regina-Pacis-Weg 3
City of mailing address::	Bonn
State or Province of mailing address::	
Country of mailing address::	Germany
Postal or Zip Code of mailing address::	53113

950778_1.DOC

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Names of conveying party(ies)/Execution Date(s):

- 1) ANDREAS MARX
- 2) DANIEL SUMMERER
- 3) NICOLAS ZACKES RUDINGER
- 4)

Execution Dates:

- 1) JANUARY 29, 2007 4) _____
- 2) JANUARY 28, 2007 5) _____
- 3) FEBRUARY 10, 2007 6) _____

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITÄT BONN

Internal Address: _____

Street Address: REGINA-PACIS-WEG 3City: BONN

State: _____

Country: GERMANY Zip 53113Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Joint Research Agreement
- ☐ Government Interest Assignment
- ☐ Executive Order 9424, Confirmatory License
- ☐ Other _____

4. Application or patent number(s): ☐ This document is being filed together with a new application.A. Patent Application No(s).
10/588,570

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Seed Intellectual Property Law Group PLLCInternal Address: QING LIN, PH.D.Street Address: 701 Fifth Avenue, Suite 5400City: SeattleState: WA ZIP: 98104Phone Number: 206-622-4900Fax Number: 206-682-6031Email Address: beckyl@seedip.com6. Total number of applications and patents involved 17. Total Fee (37 CFR 1.21(h) & 3.41): \$40

- ☐ Authorized to be charged by credit card.
- ☐ Authorized to be charged to deposit account.
- ☒ Enclosed
- ☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 19 1990 18588570Authorized User Name Qing Lin, Ph.D. 48.08.09

9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

QING LIN, PH.D.

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

•
ASSIGNMENT

WHEREAS, we, Andreas MARX, Daniel SUMMERER and Nicolas Zackes RUDINGER (hereinafter referred to as ASSIGNORS), having mailing addresses of Zollernstrasse 21, Konstanz, Germany 78462; Kleinfeldstrasse 38, Mannheim, Germany 68165; and Gutenbergstrasse 63A, Köln, Germany 50823, respectively, are the joint inventors of an invention entitled "MUTATED DNA POLYMERASES WITH INCREASED MISPAIRING DISCRIMINATION," as described and claimed in the specification for which an application for United States letters patent was filed and assigned Application No. 10/588,570. This application is a national stage application filed under 35 U.S.C. 371 of International Application No. PCT/EP2005/050479, accorded an International Filing Date of February 4, 2005;

WHEREAS, RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITÄT BONN (hereinafter referred to as ASSIGNEE), having a usual place of business at Regina-Pacis-Weg 3, Bonn, Germany 53113, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and, in any and all divisions, reissues and continuations thereof, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the

making and prosecution of applications for United States letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

2007-1-29
Date

A. Marx
Andreas MARX

I certify that I know or have satisfactory evidence that Andreas MARX signed this instrument of his own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date 2007-1-29
(Type or Print)
Dr. Karl-Heinz Jung
(Type or Print Name of Witness)

Signed at University of Konstanz
[Signature]
(Signature of Witness)

Date

Daniel SUMMERER

I certify that I know or have satisfactory evidence that Daniel SUMMERER signed this instrument of his own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date _____
(Type or Print)

Signed at _____

(Type or Print Name of Witness)

(Signature of Witness)

making and prosecution of applications for United States letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Date

Andreas MARX

I certify that I know or have satisfactory evidence that Andreas MARX signed this instrument of his own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date

(Type or Print)

Signed at

(Type or Print Name of Witness)

(Signature of Witness)

28.1.07

Date


Daniel SUMMERER

I certify that I know or have satisfactory evidence that Daniel SUMMERER signed this instrument of his own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date

28.01.07

(Type or Print)

VERENA LOOSER

(Type or Print Name of Witness)

Signed at

Mannheim 13:00 Uhr



(Signature of Witness)

10.2.07
Date

Nicola Z. Rudinger
Nicola Zacks RUDINGER

I certify that I know or have satisfactory evidence that Nicola Zacks RUDINGER signed this instrument of his own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date 10.2.07
(Type or Print)

Signed at Bonn, Schlegelstr. 2 / 53115

GEORG RUDINGER
(Type or Print Name of Witness)

Georg Rudinger
(Signature of Witness)

823552_1.DOC
(630196.401USPC)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Andreas Marx et al.
Application No. : 10/588,570
Filed : February 4, 2005
For : MUTATED DNA POLYMERASES WITH INCREASED
MISPAIRING DISCRIMINATION

Docket No. : 630196.401USPC

Date : May 4, 2007

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION

Sir:

I, Monica Andresen, do hereby declare that, to the best of my knowledge, the content of the paper entitled "Sequence Listing" and the computer readable copy contained within the compact disc, enclosed herewith, are the same.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Dated this 4th day of May 2007.



Monica Andresen
Biotechnology Paralegal

701 Fifth Avenue, Suite 5400
Seattle, WA 98104-7092
(206) 622-4900
FAX (206) 682-6031
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